



**OPERATING INSTRUCTIONS
MODE D'EMPLOI
GEBRAUCHSANLEITUNG
INSTRUCCIONES PARA EL USO
MANUALE DI ISTRUZIONE**

S T E P

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INTRODUCTION

IMPORTANT

IT IS ESSENTIAL THAT THIS INSTRUCTION MANUAL IS READ FROM COVER TO COVER BEFORE ANY ATTEMPT IS MADE TO OPERATE THIS STEAM CLEANER .

ANY MACHINE WHICH PRODUCES HOT WATER UNDER HIGH PRESSURE IS POTENTIALLY DANGEROUS IN OPERATION.

IT MUST BE TREATED WITH RESPECT

NEVER DIRECT THE HIGH PRESSURE JET AT ANY PERSON, ANIMAL OR ANY ELECTRICAL EQUIPMENT UNDER ANY CIRCUMSTANCES .

IT IS IMPORTANT THAT THE ELECTRIC CABLE IS NOT EXTENDED

IT IS FAR BETTER TO USE HIGH PRESSURE HOSE EXTENSIONS IF NECESSARY
THE ELECTRICAL SUPPLY FOR THE MACHINE MUST INCLUDE AN EARTHED SOCKET AND R.C.C.D. (EARTH LEAKAGE CURRENT PROTECTION DEVICE) AND ANY ELECTRICAL WORKS MUST BE CARRIED OUT BY A QUALIFIED PERSON TO N.I.C. - E.I.C. STANDARDS .
IT IS ESSENTIAL THAT ANY MODIFICATIONS OR ADJUSTMENTS TO THIS MACHINE ARE CARRIED OUT BY SUITABLY QUALIFIED AND TRAINED PERSONS.

SERIOUS DAMAGE OR PERSONAL INJURY MAY RESULT FROM INCORRECT ADJUSTMENTS, SUB-STANDARD COMPONENTS OR POOR WORKMANSHIP.

ANY ALTERATIONS , ADJUSTMENTS OR USE OF ANY COMPONENTS OR CHEMICALS OTHER THAN THOSE SUPPLIED WITH THE MACHINE MUST BE APPROVED BY YOUR SUPPLIER, FAILURE TO DO SO MAY INVALIDATE YOUR WARRANTY .

DESCRIPTION

The STEP High pressure cleaner consists of a powder coated wheeled chassis with integral fuel tank. All the components are fitted within the chassis to form a compact, user friendly and easy to maintain machine.

With the main switch (111) ON water is fed into the water tank via a float valve. This water is then sucked into the high pressure pump (137) which by a system of pistons, valves and seals produces water at high pressure.

The unloader (145) allows the water to by-pass back into the tank when the safety On/Off trigger is released. The pressure switch (149) located on the high pressure pump acts as a safety switch to prevent the burner from operating when there is insufficient water in the system.

When the main switch (111) and the burner control switch (115) is turned ON the water from the pump passes under pressure through the heating coil assembly. The oil fired burner produces hot water to the desired temperature governed by the thermostat (112). The burner system works by injecting fuel oil from the fuel tank into the fuel nozzle under pressure generated by the fuel pump (49) which is driven by the burner motor (39) which also produces a forced air-flow via a fan. The fuel is ignited by the electrode set (03) which produce a continuous spark generated by the high tension transformer (24). The enclosure (176) houses the fusebank, contactor and thermal overload device. If the power supply is inadequate the thermal overload will automatically cut-out. Having established the reason for the thermal overload to cut-out it may be reset simply by pressing the BLUE button. The most popular reason for the thermal overload to cut-out is that of 'voltage drop' generally caused by the use of extension leads.

INSTALLATION

As a mobile unit the machine need not be permanently sited. However it must not be used in an enclosed space where there is a risk of explosion and/or fire.

If the machine is to be permanently sited adequate provision for ventilation must be provided - It is critical that certain rules are observed.

YOUR DEALER MUST BE CONSULTED IN THIS MATTER .

ELECTRICAL CONNECTION

The machine is fitted with a standard 5.0 Metres length of cable . It is critical that a suitable electric supply is provided via an Earthed Socket.

RCCD PROTECTION TO THE CIRCUIT MUST BE PROVIDED.

IT IS IMPORTANT THAT THE ELECTRIC CABLE IS NOT EXTENDED - IT IS FAR BETTER TO EXTEND THE HIGH PRESSURE HOSES .

BEFORE ANY ATTEMPT IS MADE TO ALTER THE LENGTH OF CABLE OR MAKE ANY ALTERATIONS TO ANY ELECTRICAL COMPONENT WHATSOEVER EXPERT ADVICE MUST BE TAKEN FROM A SUITABLY QUALIFIED PERSON.

IF A GENERATING SET MUST BE USED TO POWER THE CLEANER IT IS ESSENTIAL THAT EXPERT ADVICE IS TAKEN FROM YOUR DEALER OR A SUITABLY QUALIFIED PERSON.

WATER CONNECTION

AN ADEGUATE AND CLEAN WATER SUPPLY MUST BE PROVIDED FOR THE MACHINE.

A minimum of 12 litres per minute is required at a minimum pressure of 2 Bar (29 Psi) .

It is recommended that a 13 mm I/D (1/2") hose is used and that a Double Check-Valve is incorporated into the system.

IT IS IMPORTANT THAT LOCAL WATER BYE-LAWS ARE OBSERVED.

If the water supply volume and/or pressure is inadequate it is possible to run the machine on suction. It is important that the suction Head/Distance is kept to a minimum and that proper filtration is provided. For suction purposes a hose with a minimum I/D of 19 mm (3/4") must be used and the length should not ideally exceed 2 Metres (6'7") in length.

YOUR DEALER SHOULD BE CONSULTED IN THIS MATTER.

PREPARING FOR COMMISSIONING

Having located the machine in a suitable position make sure that the main switch (111) and burner switch (115) are in the OFF position.

1. Remove the machine cover and check the oil level in the pump (137). This should be in the centre of the sight-glass viewed at the rear of the pump.
2. Fill the fuel tank via fuel filler cap (69) with a suitable clean and uncontaminated supply of fuel oil .
3. Place the chemical pick-up tube in a container filled with an appropriate approved cleaning agent making sure that the filter is completely submerged.
4. Connect the Safety On-Off trigger and the high pressure hose to the machine via the quick release coupling (35).
5. Connect the water supply pipe to the machine via the quick release coupling (90) and turn on the water supply tap.
6. Connect the plug-top into the socket and turn the power on. The indicator light (108) when illuminated confirms that there is electrical power to the machine.

THE MACHINE IS NOW READY FOR OPERATION.

PUTTING THE MACHINE INTO OPERATION

Having followed all the steps in the 'Preparing for Commissioning' section the machine is now ready for operation

1. Set the main switch (111) to the ON Position. Point the lance at the object to be cleaned. Grasp the safety trigger and lance firmly in preparation for the recoil and squeeze the trigger. The machine will produce a steady flow of high pressure water.
2. For hot water keep the main switch (111) in the ON position and likewise set the burner switch (115) to ON. Select the desired temperature on the thermostat (112) and squeeze the trigger. After a 5 second delay the oil fired burner will ignite producing a steady flow of hot water after a short period of time .
3. High pressure chemical induction may be effected in the cold and hot position by turning the head on the top of the lance. A short period of delay will be experienced in the production of and shutting down of the chemical - This is quite normal and is due to the length of the high pressure hose .

IT MUST BE NOTED THAT AFTER THE TRIGGER HAS BEEN RELEASED THE MACHINE GOES INTO A 'STANDBY' MODE.

TAKING THE MACHINE OUT OF OPERATION

IT IS MOST IMPORTANT THAT THE MACHINE IS COOLED DOWN AFTER USE.

1. With the burner switched OFF run the machine until all the hot water has been expelled from the machine.
2. It is advisable that all the residual chemical is expelled from the system. This may be achieved by flushing through with cold water using the chemical pick-up pipe via the chemical valve.
3. After the electric and water services have been turned OFF the machine must be de -pressurized- this is simply achieved by squeezing the trigger. It is good working practice to set the trigger safety lock in position and store the high and low pressure pipes and electric cable NEATLY and TIDILY.

AN UNATTENDED MACHINE MUST NOT BE LEFT RUNNING OR IN A USABLE STATE WHERE UNTRAINED PERSONNEL MAY BE TEMPTED TO USE IT .

FROST PROTECTION

THE BEST FORM OF FROST PROTECTION IS TO STORE THE MACHINE AND ANCILIARY EQUIPMENT IN A FROST FREE PLACE.

Where this is not practicable the following steps must be taken .

Introduce an anti-freeze solution into the tank and run the machine until the solution is visible from the spray-tip of the lance . An anti-freeze solution must also be introduced into the chemical system via the chemical valve and pick-up filter.

THE MACHINE MAY BE LEFT IN THIS CONDITION AND WILL BE FULLY PROTECTED AGAINST FROST DAMAGE.

The anti-freeze solution may be re-used by running the machine and reclaiming the solution in a suitable container. It must be noted that the anti-freeze solution will weaken by dilution and must be topped-up to return to original strength.

CARE AND MAINTENANCE

To obtain the best results from your pressure washer it is essential that it is maintained in proper order. This will ensure a prolonged life and improve reliability.

THE FOLLOWING STEPS MUST BE TAKEN AT THE PRESCRIBED INTERVALS

MAINTENANCE SCHEDULE - DAILY

1. Check that the electric cable and plug-top is in perfect condition with NO DAMAGE WHATSOEVER.
 2. Check that the high pressure hose is free from cuts , abrasions and kinking.
 3. Check that the oil level in the high pressure pump (137) is visible in the sight-glass and showing on the dip-stick.
 4. Check that there are NO VISIBLE SIGNS OF LEAKS of any description.
- THE ABOVE CHECKS CAN BE MADE VISUALLY - IF ANY DEFECTS ARE FOUND THEY MUST BE RECTIFIED BEFORE THE MACHINE IS USED.

MAINTENANCE SCHEDULE -MONTHLY (DAILY CHECKS TO BE INCLUDED)

BEFORE ANY MAINTENANCE PROCEDURES ARE CARRIED OUT THE MACHINE MUST BE ISOLATED FROM THE ELECTRIC AND WATER SUPPLY.

1. Remove the Electrode Set (03) from the top burner casing and clean the probes with wire wool. They must be adjusted to the specifications shown in the drawing of the burner. If the electrodes are beyond adjustment or show signs of wear they must be replaced.
2. Check that the in-line fuel filter (17) is free from water or other contamination - If so it must be replaced together with the contents of the fuel tank.

MAINTENANCE SCHEDULE SIX MONTHLY (PREVIOUS CHECKS TO BE INCLUDED)

1. The oil in the high pressure pump (137) must be replaced. This can be carried out by removing the drain-plug from the base of the pump draining the oil into a suitable container. The pump must be re-filled via the dip-stick hole with a good quality SAE 20/30 oil. The correct level may be found by use of the sight glass. (The correct oil level should be exactly in the middle of the glass) and then double checked by the dip-stick.
2. The in-line fuel filter (17) must be replaced. As the fuel system is of the twin-pipe variety no bleeding will be necessary.
3. The fuel tank must be drained with the drain-plug provided and cleaned out using the machine set in the cold position only. The fuel tank must be allowed to dry THOROUGHLY before re-filling.
4. The internal fuel pump filter must be removed and cleaned thoroughly. This can be carried out by separating the fuel pump halves and cleaning the filter. IT IS IMPORTANT THAT THE FILTER IS UNDAMAGED AND RE-INSTALLED PROPERLY.
5. The fuel nozzle must be replaced by removing the burner head assembly. IT IS CRITICAL THAT THE CORRECT FUEL NOZZLE IS USED.
6. The high pressure jet at the end of the lance must be replaced if there is any sign of wear or damage. IT IS CRITICAL THAT THE CORRECT REPLACEMENT JET IS USED OR SERIOUS DAMAGE MAY RESULT.
7. Check that all electrical terminals are secure and tight.
8. Check that all pipes and unions are secure and tight.
9. Check that all nuts and bolts are secure and tight.

TO DE-SCALE THE MACHINE

IF THE WORKING PRESSURE OF THE MACHINE INCREASES FROM ITS NORMAL RUNNING PRESSURE OR IT APPEARS TO HAVE LESS FLOW THAN NORMAL COMBINED WITH POOR BURNER PERFORMANCE THERE IS A STRONG POSSIBILITY THAT THE MACHINE WILL REQUIRE DE-SCALING.

WARNING

DE-SCALING ACID IS CORROSIVE - THE MANUFACTURERS SAFETY INSTRUCTIONS AND DIRECTIONS MUST BE OBSERVED AT ALL TIMES.

THROUGHOUT THE FOLLOWING PROCEEDURE THE SAFETY ON/OFF TRIGGER MUST BE HELD OPEN AT ALL TIMES .

1. Remove the high pressure jet from the end of the lance .
2. Place the chemical pick-up pipe into a bucket containing pre-diluted descaling acid and run the machine in the cold position with the chemical valve OPEN. The lance tip should be directed into the bucket.

IF SCALE IS PRESENT THE SOLUTION IN THE BUCKET WILL 'FOAM' AND CHANGE IN COLOUR. THE MACHINE SHOULD THEN BE TURNED OFF AND LEFT FOR 5-10 MINUTES. AFTER THIS PERIOD WITH THE CHEMICAL PICK-UP TUBE IN A CONTAINER OF WATER THE MACHINE MAY BE RE-STARTED. IT IS ESSENTIAL THAT THE MACHINE IS RUN FOR AT LEAST 10 MINUTES TO CLEAR ALL RESIDUES OF THE ACID.

- 3 . A new high pressure jet may now be re-instated.
- 4 . Run the machine and examine for any leaks and rectify without fail .

THE DE-SCALING PROCEEDURE IS A PONTENTIALLY DANGEROUS OPERATION AND MUST ONLY BE CARRIED OUT BY FULLY TRAINED STAFF TO AVOID ANY POSSIBILITY OF PERSONAL INJURY OR DAMAGE TO THE MACHINE .

TO DE-SOOT THE MACHINE

IN ORDER TO MAINTAIN THE EFFICENCY AND CLEAN RUNNING OF THE BURNER IT IS NECESSARY TO REMOVE ANY SOOT DEPOSITS THAT MAY BE PRESENT IN THE HEAT EXCHANGER.

To carry out the de-soot the following steps must be taken in the order given .

1. Disconnect the two high tension caps (01) and fuel delivery pipe from the burner head.
2. Remove the burner cover (13) by un-doing the three retaining clips (14) provided.
3. Remove the inner burner cover and chimney assembly (20) from the coil jacket assembly.
4. From underneath the machine undo the hydraulic hose connection and the thermostat housing having first removed the thermostat probe.
5. With a 26mm spanner undo the two coil retaining nuts .
6. From above the machine the heating coil may now be removed from the outer jacket.
7. The soot-deposits may be removed from the coil by pressure washing with another machine or alternatively using the same machine by joining the high pressure hose onto the hydraulic hose as described in No 4. with a suitable adaptor.

PLEASE NOTE THAT THE MACHINE MUST ONLY BE USED IN THE COLD MODE WHEN THE ABOVE PROCEDURE IS CARRIED OUT.

If the insulation between the base of the coil jacket and the burner base-plate is found to be damaged this must be replaced at this time.

8. Remove the 3 x 13mm securing bolts at the base of the outer jacket and keep in a safe place.
9. Lift the outer jacket just enough to slide out the defective insulation and replace with new. Some assistance may be required with this task.
10. To return the machine to normal operational status replace the components carefully in the reverse order of the above .

IT IS ESSENTIAL THAT THE ELECTRICAL COMPONENTS OF THE MACHINE ARE KEPT DRY AT ALL TIMES. ONLY SKILLED AND FULLY TRAINED OPERATIVES MAY CARRY OUT THE ABOVE PROCEEDURE TO AVOID THE RISK OF PERSONAL INJURY OR DAMAGE TO THE MACHINE .

TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
MACHINE WILL NOT START	NO ELECTRIC POWER	CHECK SOCKET OUTLET PLUG-TOP AND FUSES
	THERMAL OVERLOAD TRIPPED OUT	RE-SET
	CONTACTOR, MAIN SWITCH DEFECTIVE	CHECK & REPLACE
MACHINE STARTS BUT LOW ON PRESSURE	WATER STARVATION	CHECK THAT WATER SUPPLY IS ON
	HIGH PRESSURE JET BLOCKED	REMOVE HP JET-CLEAN OUT OR REPLACE
	CHEMICAL VALVE OPEN (WITH NO CHEMICAL)	CLOSE VALVE
MACHINE RUNS AT LOW PRESSURE	HIGH PRESSURE JET WORN	REPLACE
	WATER SUPPLY INADEQUATE	INVESTIGATE AND RECTIFY
	LEAKS IN SYSTEM OR EQUIPMENT	RECTIFY
	UNLOADER NOT SET CORRECTLY	CHECK & ADJUST
	PUMP VALVE BLOCKED OR DEFECTIVE	CLEAN OR REPLACE
WATER PUMP KNOCKING	PUMP VALVE BLOCKED OR DEFECTIVE	CLEAN OR REPLACE
	AIR LEAK ON PUMP SUCTION SIDE	RECTIFY
	NO OIL IN PUMP	REPLENISH
	PUMP SEALS WORN	REPLACE
NO CHEMICAL DELIVERY	DETERGENT CONTAINER EMPTY	REPLENISH
	DETERGENT PICK-UP FILTER BLOCKED	CLEAN OR REPLACE IF DAMAGED
	CHEMICAL VALVE BLOCKED	CLEAN
BURNER WILL NOT IGNITE	FUEL TANK EMPTY	REPLENISH
	BURNER SMOKING AND FUEL CONTAMINATED	DRAIN FUEL TANK AND REPLENISH
	NO H.T. IGNITION	CHECK ELECTRODE GAP CLEAN ELECTRODES CHECK H.T. CAPSS CHECK H.T. CABLE CHEK H.T. TRANSFORMER
	IN-LINE FUEL FILTER BLOCKED	REPLACE
	FUEL PUMP BLOCKED OR DEFECTIVE	INVESTIGATE OR REPLACE
	FUEL PUMP FILTER BLOCKED	CLEAN
	FUEL PUMP PRESSURE INADEQUATE	INVESTIGATE AND ADJUST
	FUEL NOZZLE BLOCKED OR DEFECTIVE	CLEAN OR REPLACE
	PRESSURE SWITCH DEFECTIVE	REPLACE
	THERMOSTATE SET TOO LOW OR DEFECTIVE	CHECK OR REPLACE
	BURNER FAN DOES NOT ROTATE	CHECK FOR FUEL PUMP SEIZURE- REPLACE

THIS TROUBLE SHOOTING CHART IS ONLY A SIMPLIFIED GUIDE TO THE PROBABLE CAUSES OF MACHINE FAILURE AND IS NOT INTENDED AS A COMPREHENSIVE REPAIR MANUAL.

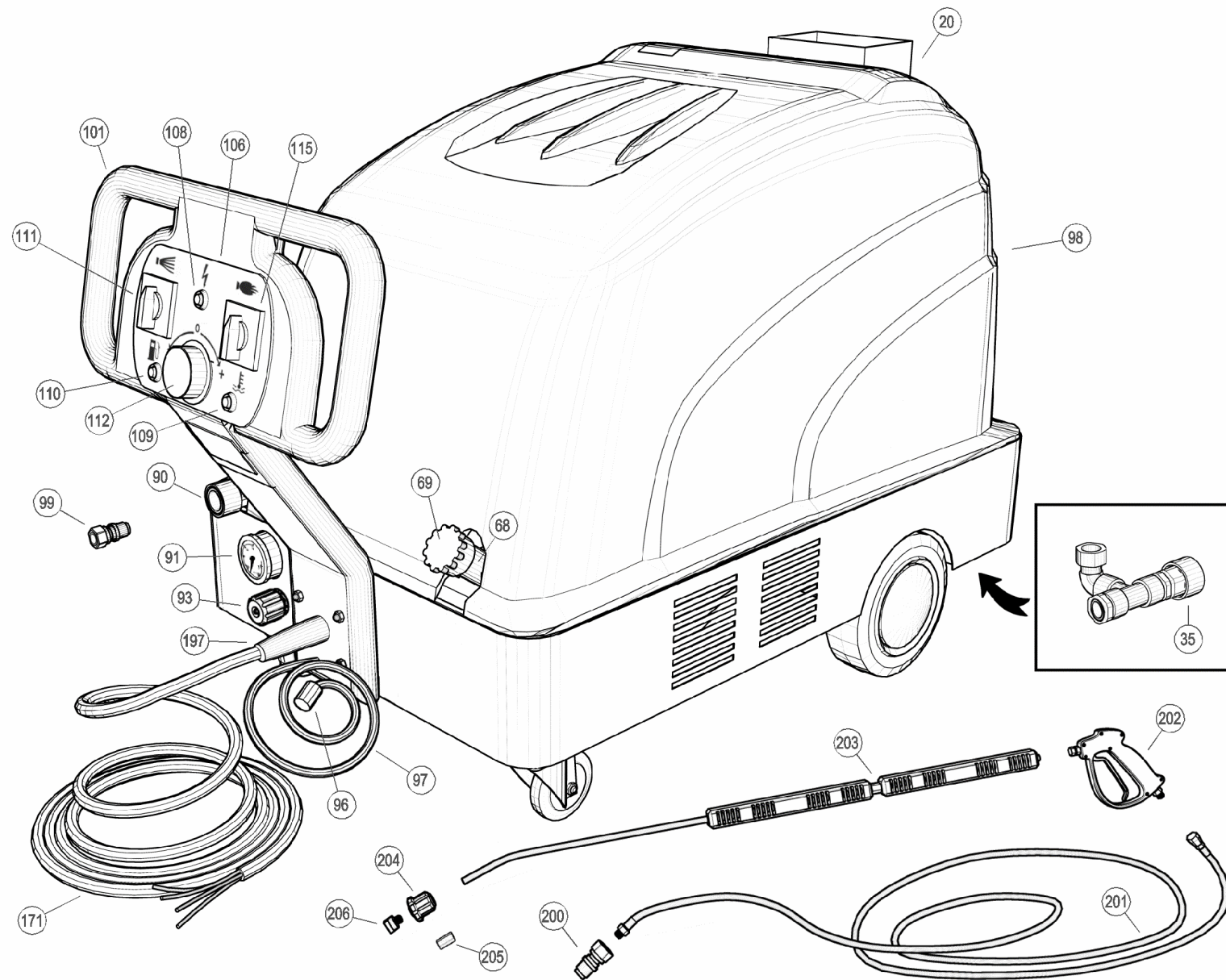
IT IS IMPERATIVE THAT ONLY QUALIFIED SERVICE ENGINEERS REPAIR THE MACHINE - SERIOUS DAMAGE OR PERSONAL INJURY MAY RESULT FROM THE USE OF SUB-STANDARD MATERIALS OR POOR WORKMANSHIP.

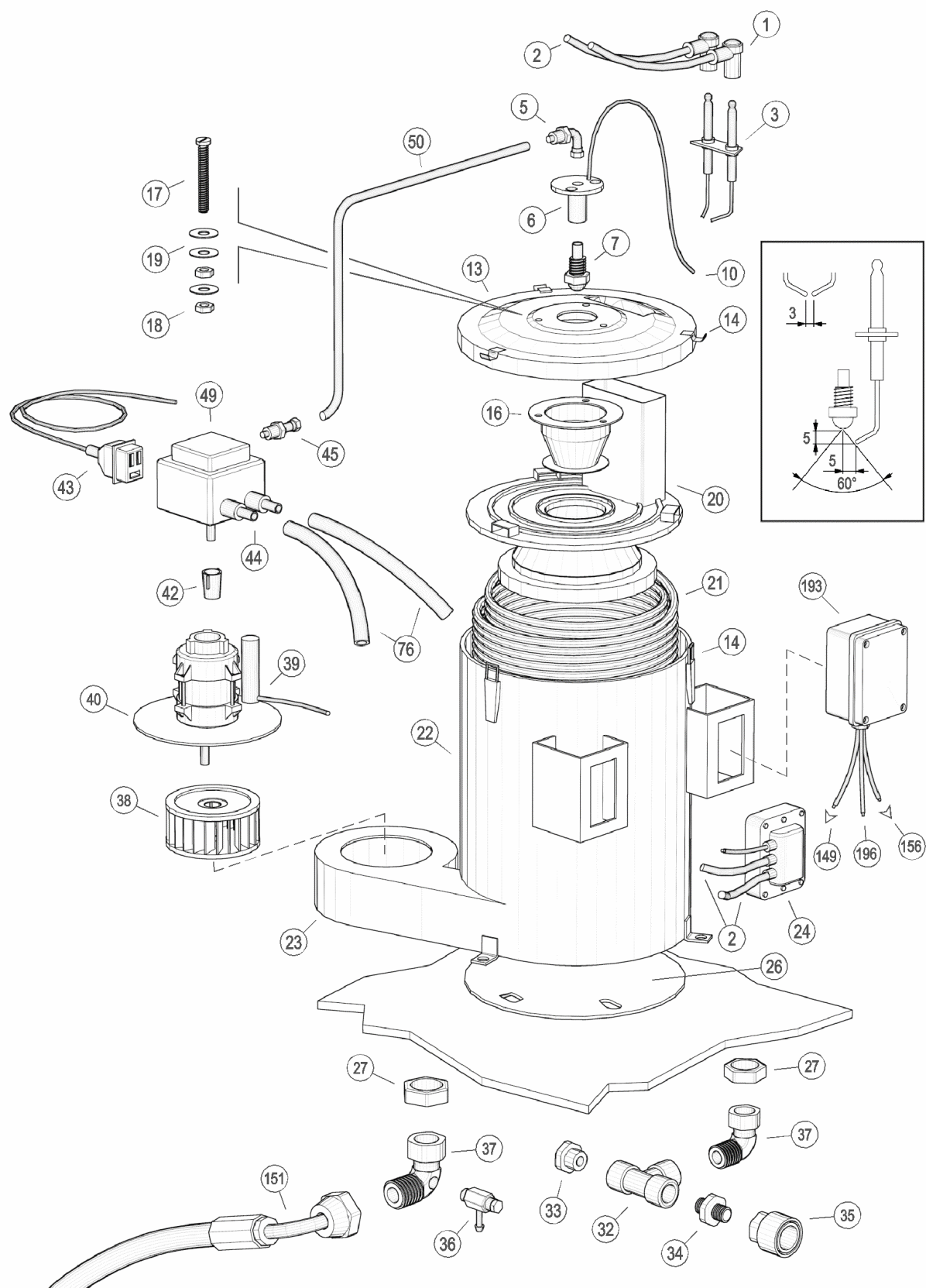
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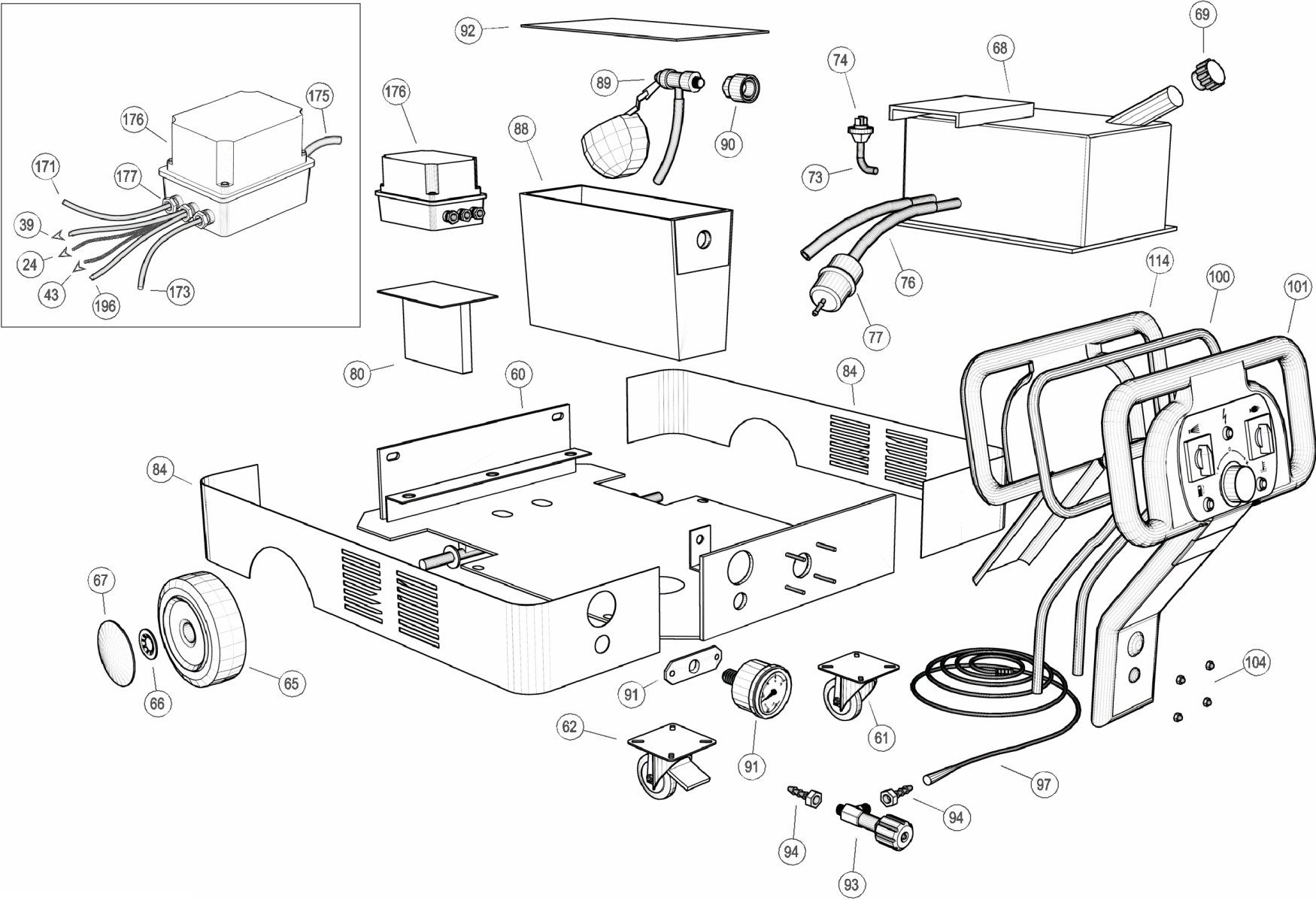
	DESCRIPTION	quantity
1	HT caps	2
2	HT lead	2
3	Electrode set	1
5	Elbow 1/4 90°	1
6	Burner Plate	1
7	Burner nozzle	1
10	Hearth wire g/v 2.5 (mt. 1)	1
13	Burner top cover	1
14	Cover retaining clips	3
16	Distributor plate	1
17	Screw (4 x 20)	3
18	Nut diam. 4	6
19	Spacer diam. 4	9
20	Chimney assembly	1
21	High pressure coil	1
22	Burner outer casing	1
23	Fanwheel casing	1
24	HT transformer	1
26	Insulation plate	1
27	Nuts 1/2"	2
32	T piece ½ fff	2
33	Thermostat bulbe holder	1
35	Outlet QRC female	1
36	Security valve	1
37	Elbow 1/2" mf	2
38	Burner base plate diam. 145mm	1
39	Burner motor 150W	1
40	Burner motor plate	1
42	Fuel pump drive	1
43	Softener solenoid	1
44	Hose barb 1/4" diam. 6	2
45	Nipple 1/8"	1
49	Fuel pump	1
50	Fuel pipe	1
60	Main chassis	1
61	Jokey wheel diam 100	1
62	Jokey wheel w/brake diam 100	1
65	Main wheel diam 250	2
66	Retainer	2
67	Hub-cap	2
68	Fuel tank	1
69	Fuel filter cap	1
73	Coupling ¼ m 90°	1
74	Low fuel switch	1
76	Fuel pipe	2
77	Fuel filter	1
80	Enclose base	1
84	Side panels	2
88	Water tank	1
89	Float valve assembly ½	2
90	Inlet QRC female	1
91	Pressure gauge	1
92	Water tank lid	1
93	Chemical metering valve	1
94	Hose barb diam. 6	2
95	Chemical pipe m. 0,5	1

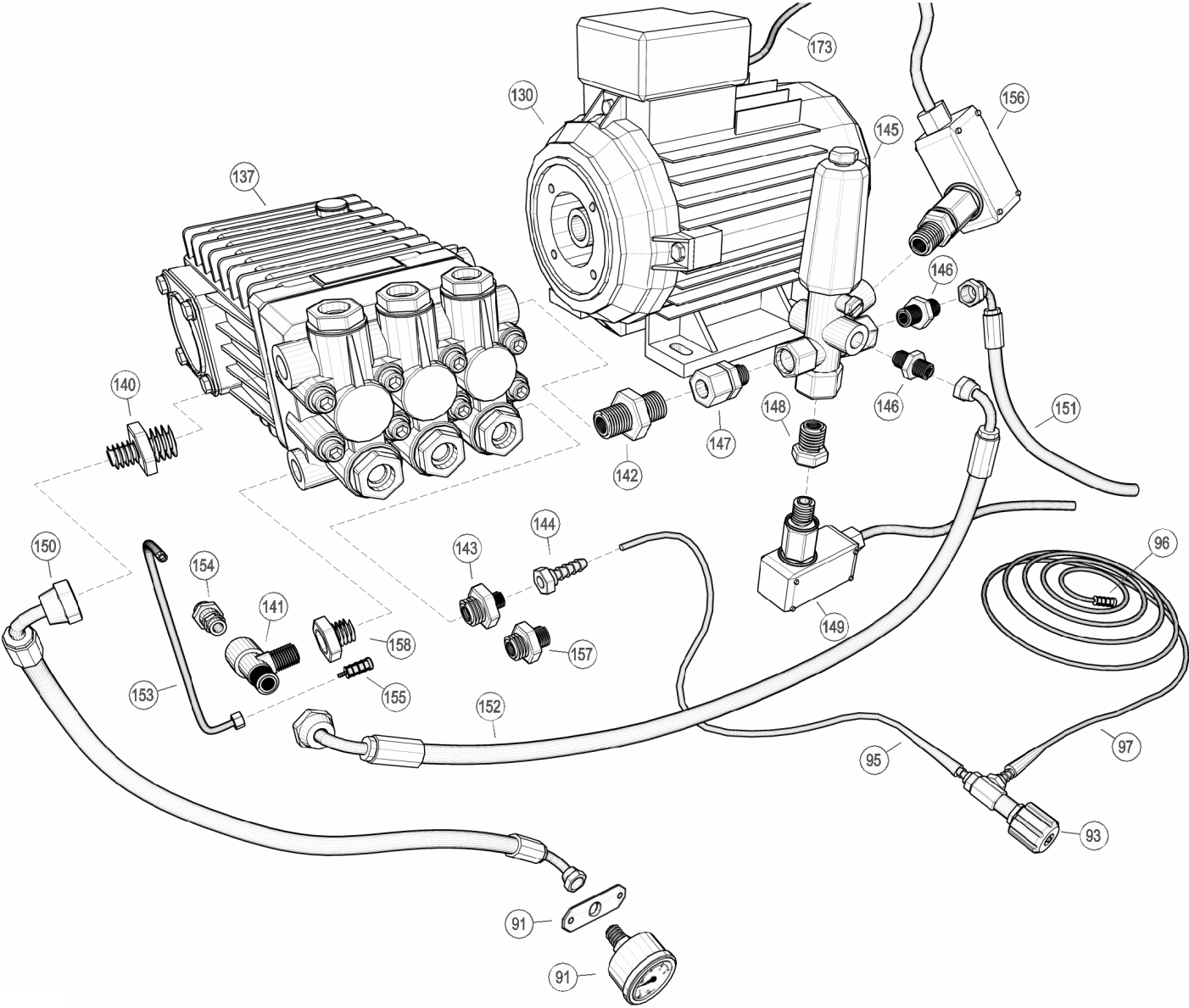
96	Chemical filter	1
97	Chemical pipe m. 1.4	1
98	Machine cover	1
99	Inlet QRC male	1
100	Handle	1
101	Handle front cover	1
104	Nuts	4
106	Switchgear plate	1
108	Mains indicator	1
109	Burner ON/OFF switch	1
110	Low fuel lamp	1
111	Pump ON/OFF switch	1
112	Thermostat	1
114	Handle rear cover	1
115	Burner ON/OFF switch	1
130	Motor	1
137	Pump	1
140	Nipple 3/8-1/4	1
141	T piece ½ f -3/8 m- 3/8 m	1
142	Nipple 3/8 – 3/8	2
143	Nipple ½ ¼ (I)	1
144	Hose barb ¼	1
145	Unloader valve	1
146	Nipple 3/8 3/8	2
147	Coupling 3/8”m-3/8”f	1
148	Nipple 3/8 - ¼	1
149	Pressure switch	2
150	Hid. pipe R1 3/16 1/4c 1/4 mm.500	1
151	Hid. pipe R2T 3/8 1/2c - 3/8 mm.940	2
152	Hid. pipe R2 T 5/16 3/8c 3/8c mm. 460	1
153	Copper inlet pipe	1
154	Compression straight ½ m diam 12	1
155	Water filter	1
156	Pressure switch	1
157	Nipple 3/8 – ¼ (L)	1
158	Nipple ½ m – 3/8f (I)	1
171	Cable 3x2.5 mt. 6	1
172	Cable 4x2.5 mt. 6	1
173	Cable 3x2,5 mt. 1	1
174	Cable 5x2.5 mt. 1	1
175	Cable 10x1 mt. 1	1
176	Contactor enclosure	1
177	Cable gland ½	6
178	Bolts (6x10)	2
179	Spacer diam. 6	2
180	L. T. Transformer	1
180	Relay	1
181	Fuse 5x20 2A	1
182	Relay base	1
184	Clamp SAK 2.5/35 M	2
185	Clamp EK 2.5/35 T	4
186	Clamp DK4	3
187	Clamp EK 2,5/35	2
188	End clamp DK4	1
189	Thermal overload 11 -1 7 A	1
190	Slide	1
191	Contactor 7.5 Kw	1
192	Circuit board WK 1 A	1
193	P.B.C. enclosure	1
195	Spacer (3x15) mf	4

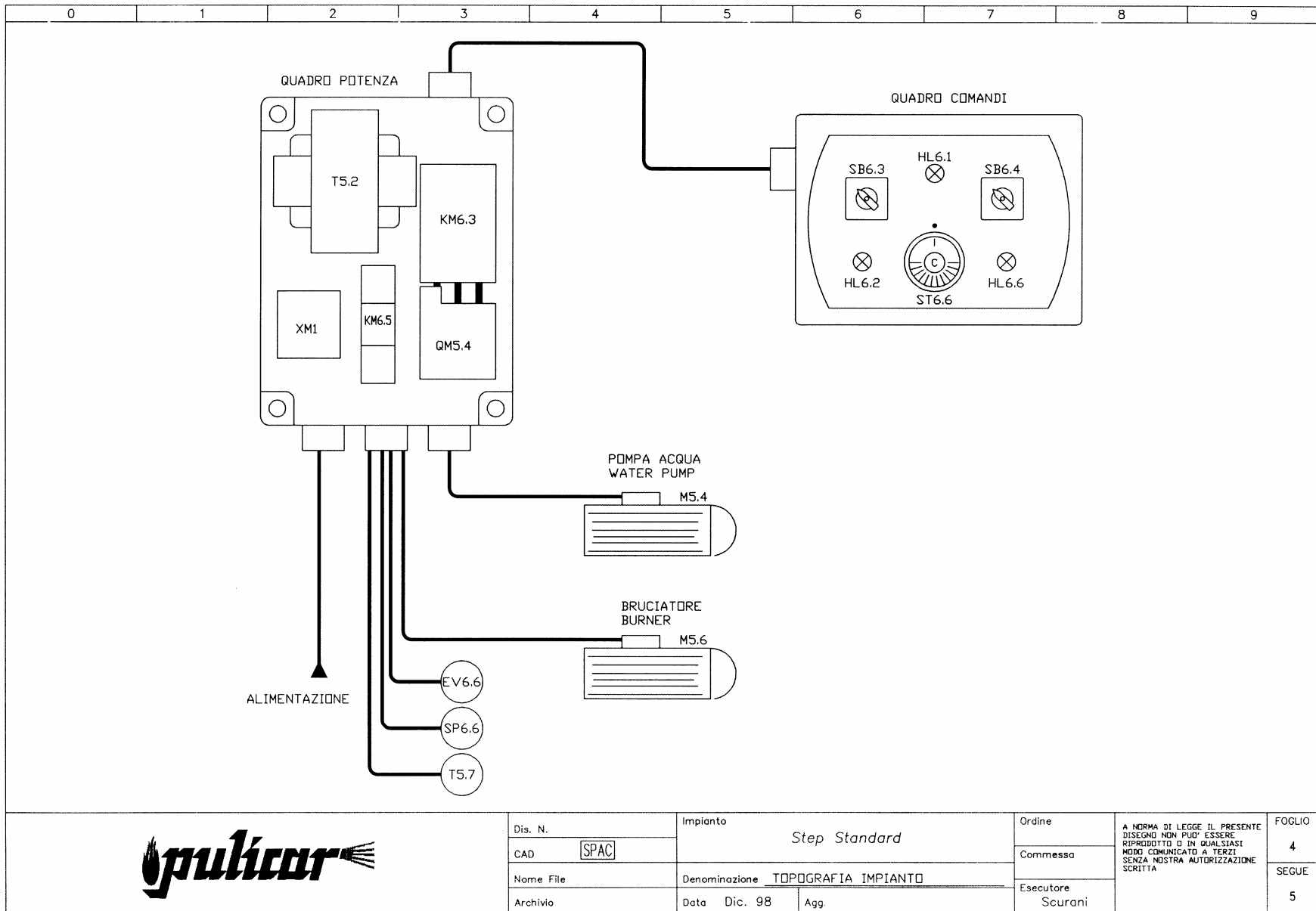
196	Cable 5x1 mt. 1	1
197	Cable gland	1
200	Outlet QRC male	1
201	H. P. Hose R1 – 5/16” m. 12	1
202	Trigger gun	1
203	Heatproof lance	1
204	Adjustable nozzle	1
205	Union ¼ ¼ f	1
206	Spray nozzle	1

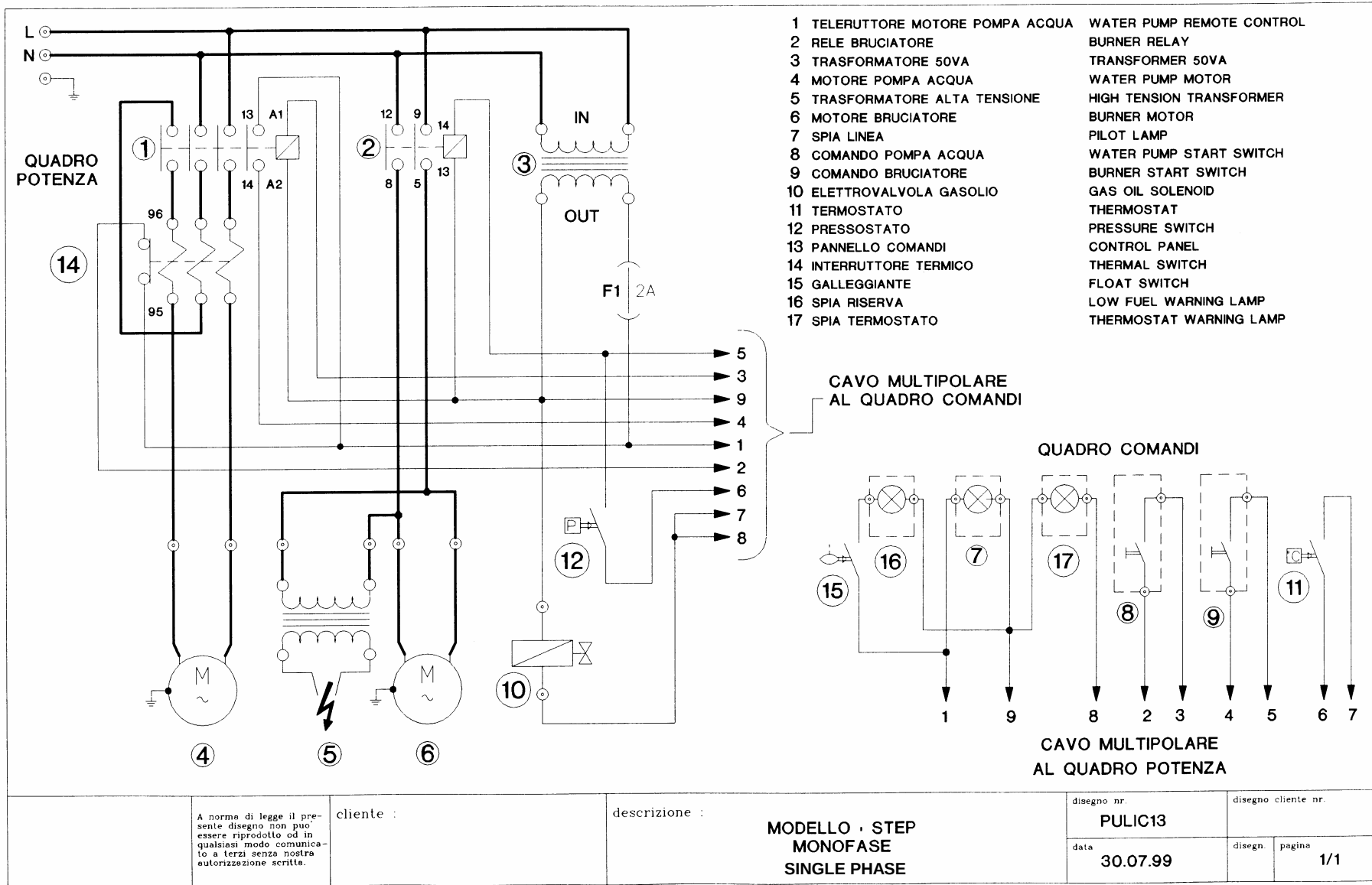


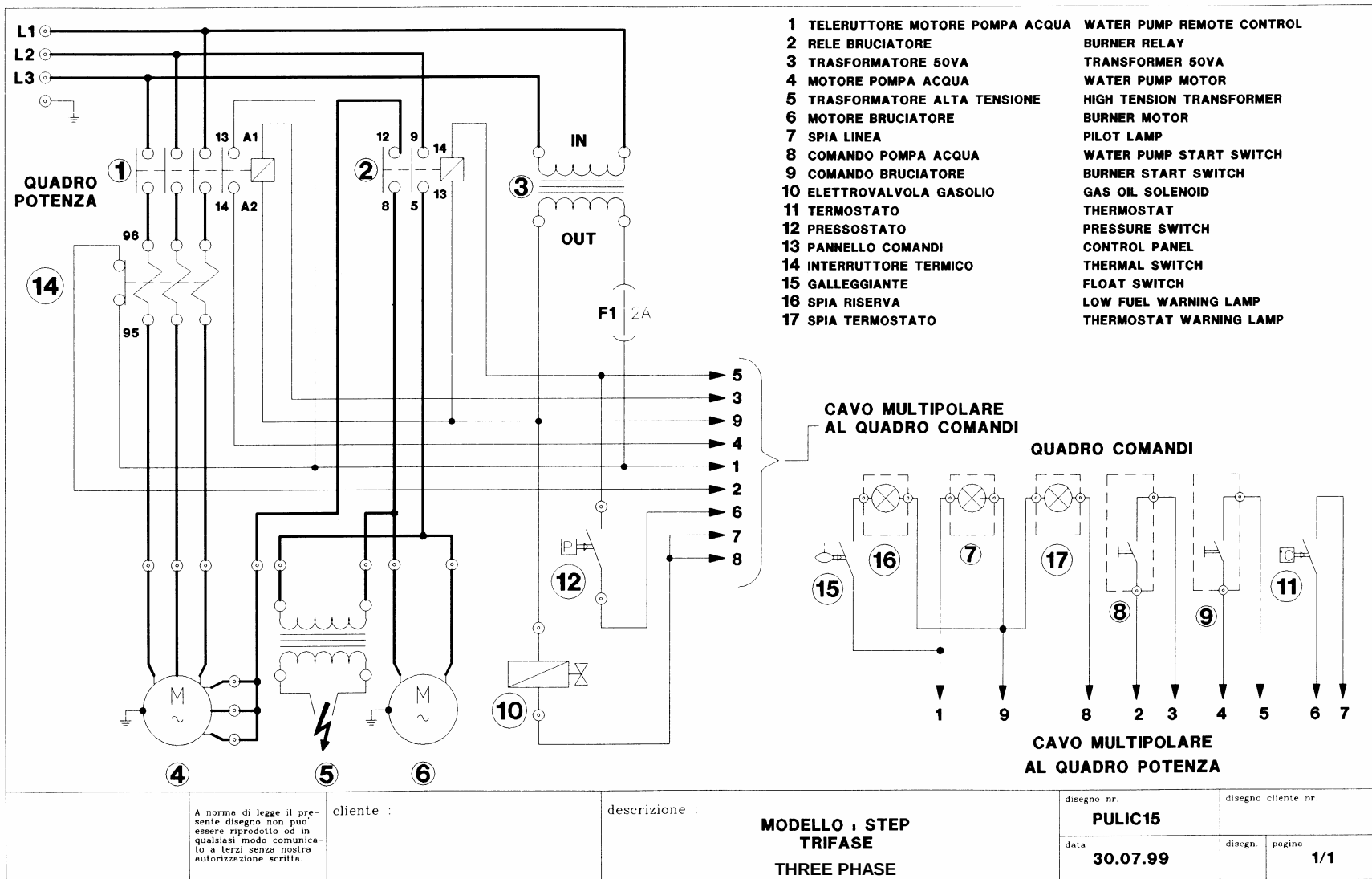












TECHNICAL DATA

MODEL	100/10	120/85	110/09	100/12	140/85	140/11
OPERATING PRESSURE - Bar	50-100	50-120	50-100	50 - 100	50-140	50-140
MAXIMUM PRESSURE - Bar	120	130	120	120	150	150
VOLUME – Lt/min	10	8,5	9	12	8,5	11
OPERATING TEMPERATURE - °C	30 – 90	30 – 90	30 – 90	30 – 90	30 – 90	30 – 90
MAX. INLET TEMPERATURE - °C	60	60	60	60	60	60
MINIMUM INLET VOLUME - Lt/h	600	510	540	720	510	660
MOTOR – Kw	1.9	1.9	2.2	2.2	2.2	4.3
MOTOR PROTECTION - IP	54	54	54	54	54	54
VOLTAGE - Volts	230	230	230	230	230	230
CYCLES - Hz	50	50	50	50	50	50
ABSORBED CURRENT - Amps	12.6	12.6	16	16	16	7
HIGH PRESSURE JET SIZE	25035	25035	25035	2505	2503	25035
HIGH PRESSURE PUMP TYPE						
PUMP CONFIGURATION						
PUMP SPEED - Rpm	1450	1450	1450	1450	1450	2800
PUMP OIL TYPE	SAE 20/30	SAE 20/30	SAE 20/30	SAE 20/30	SAE 20/30	SAE 20/30
PUMP OIL CAPACITY - Litres	0.38	0.35	0.38	0.45	0.35	0.38
BURNER FUEL TYPE	DIESEL	DIESEL	DIESEL	DIESEL	DIESEL	DIESEL
FUEL CONSUMPTION - Lt/H	4.5	4.5	4.5	4.5	4.5	4.5
FUEL TANK CAPACITY - Litres	11	11	11	11	11	11
FUEL NOZZLE SIZE - gph	1.25 / 60°	1.25 / 60°	1.25 / 60°	1.25 / 60°	1.25 / 60°	1.25 / 60°
FUEL PUMP PRESSURE - Bar	9.0	9.0	9.0	9.0	9.0	9.0
FUME INDEX	1	1	1	1	1	1
CO2 CONTENT	13	13	13	13	13	13
TEMPERATURE OF FUMES - °C	210	210	210	210	210	210
BURNER EFFICIENCY %	91	91	91	91	91	91
FUEL NOZZLE SIZE	1.25	1.25	1.25	1.25	1.25	1.25
HIGH PRESSURE HOSE - m.	12	12	12	12	12	12
INSULATED LANCE - mm	900	900	900	900	900	900
WEIGHT - Kg	120	120	125	125	125	125
MACH. SOUND PRESS. LEVEL - dB(A)	80	80	80	80	80	80
LANCE SOUND PRESS. LEVEL - dB(A)	77	77	77	77	77	77
HEIGHT - mm	600	600	600	600	600	600
WIDTH - mm	650	650	650	650	650	650
LENGTH - mm	750	750	750	750	750	750